

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102319\
 Data File : BE100664.D
 Acq On : 23 Oct 2019 16:38
 Operator : JU
 Sample : PB124100BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB124100BSD

Quant Time: Oct 23 18:20:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 16:49:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	4022	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	16310	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	9031	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	19477	0.40	ng	0.00
27) Chrysene-d12	21.35	240	20102	0.40	ng	0.00
34) Perylene-d12	23.83	264	29058	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	3952	0.32	ng	0.00
5) Phenol-d6	7.01	99	5815	0.33	ng	0.00
8) Nitrobenzene-d5	8.99	82	3788	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	9411	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	949	0.40	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	9854	0.30	ng	0.00
25) Fluoranthene-d10	19.22	212	70408	0.28	ng	0.00
29) Terphenyl-d14	19.82	244	16829	0.38	ng	0.00

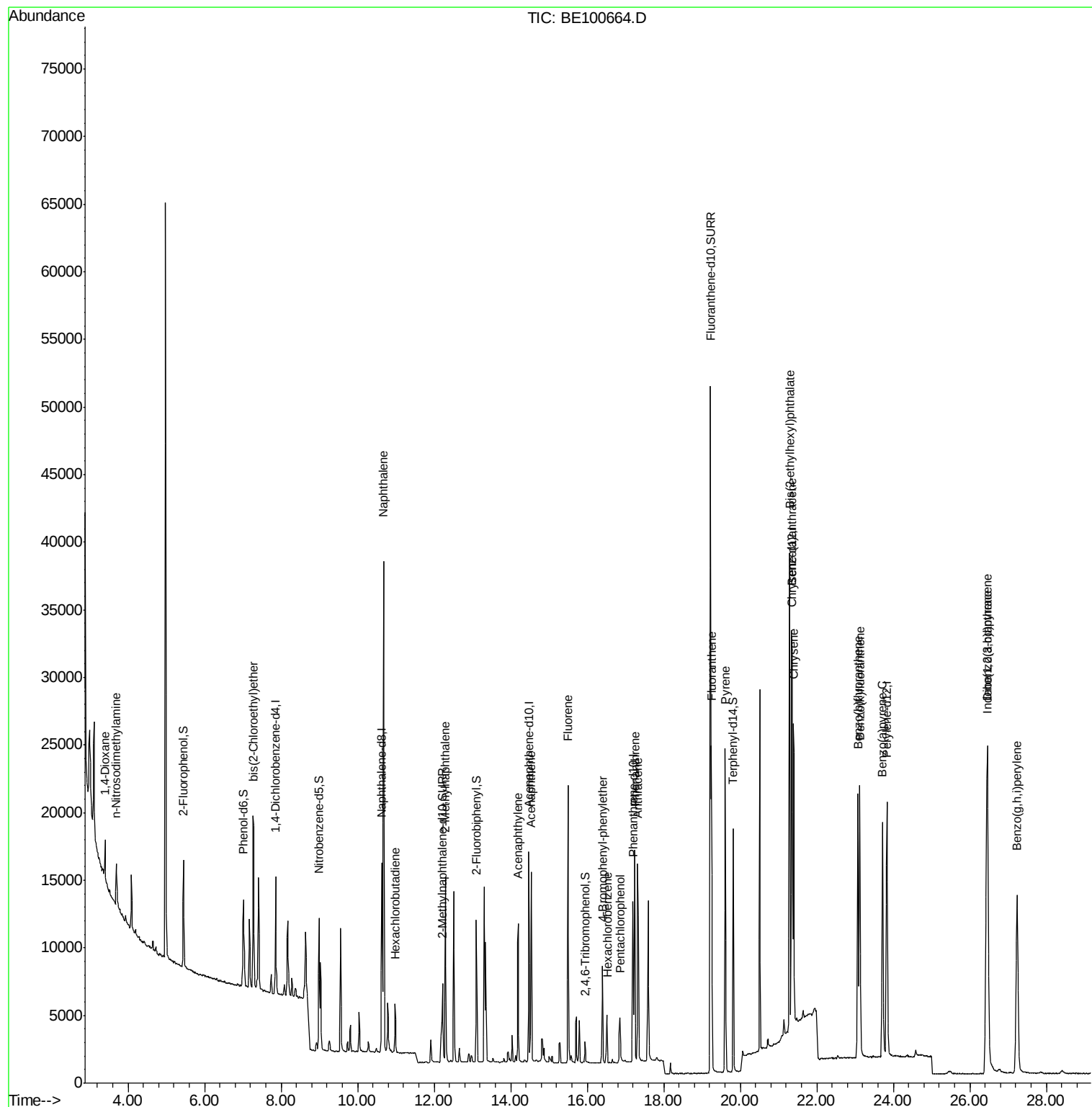
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.40	88	1988	0.277	ng	# 73
3) n-Nitrosodimethylamine	3.70	42	2451	0.323	ng	90
6) bis(2-Chloroethyl)ether	7.28	93	5096	0.354	ng	97
9) Naphthalene	10.68	128	58952	0.344	ng	100
10) Hexachlorobutadiene	10.98	225	2484	0.333	ng	98
12) 2-Methylnaphthalene	12.30	142	9747	0.333	ng	98
16) Acenaphthylene	14.20	152	13930	0.358	ng	99
17) Acenaphthene	14.53	154	8484	0.338	ng	97
18) Fluorene	15.50	166	11296	0.339	ng	100
20) 4-Bromophenyl-phenylether	16.40	248	3472	0.350	ng	94
21) Hexachlorobenzene	16.52	284	3182	0.337	ng	98
22) Pentachlorophenol	16.85	266	1971	0.648	ng	97
23) Phenanthrene	17.24	178	18449	0.344	ng	99
24) Anthracene	17.32	178	16854	0.339	ng	99
26) Fluoranthene	19.25	202	21972	0.314	ng	100
28) Pyrene	19.61	202	22494	0.401	ng	99
30) Benzo(a)anthracene	21.34	228	22607	0.345	ng	100
31) Chrysene	21.39	228	22880	0.349	ng	100
32) Bis(2-ethylhexyl)phthalate	21.29	149	45115	0.329	ng	100
33) Indeno(1,2,3-cd)pyrene	26.44	276	39848	0.495	ng	100
35) Benzo(b)fluoranthene	23.07	252	27484	0.324	ng	100
36) Benzo(k)fluoranthene	23.12	252	28788	0.330	ng	# 96
37) Benzo(a)pyrene	23.72	252	28958	0.367	ng	99
38) Dibenzo(a,h)anthracene	26.46	278	33368	0.409	ng	100
39) Benzo(g,h,i)perylene	27.23	276	34059	0.415	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 16:49:33 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.85 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124100BSD

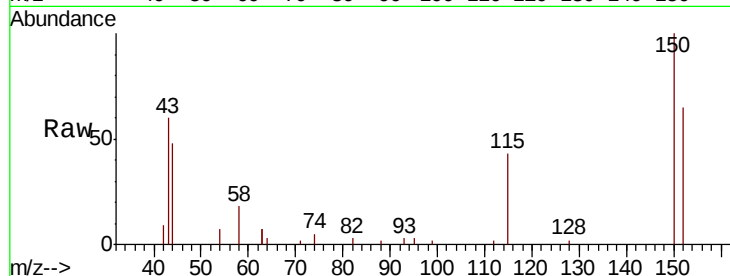
Tot Ion:152 Resp: 4022

Ion Ratio Lower Upper

152 100

150 154.3 123.3 184.9

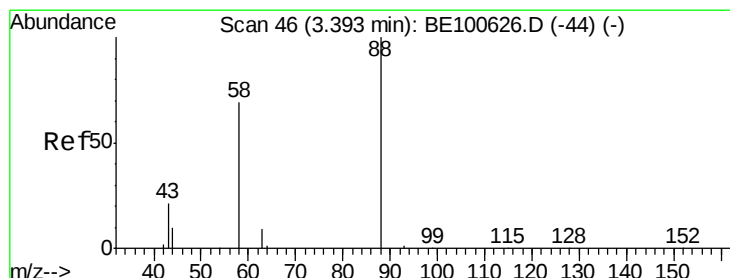
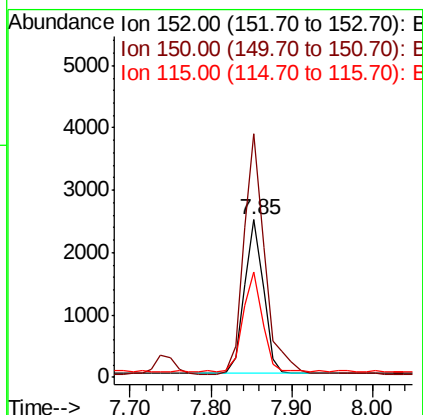
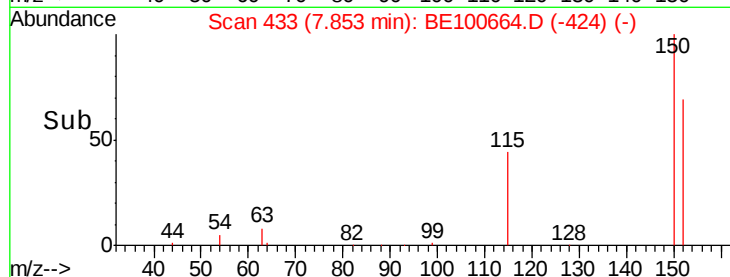
115 66.8 51.9 77.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.277 ng

RT: 3.40 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

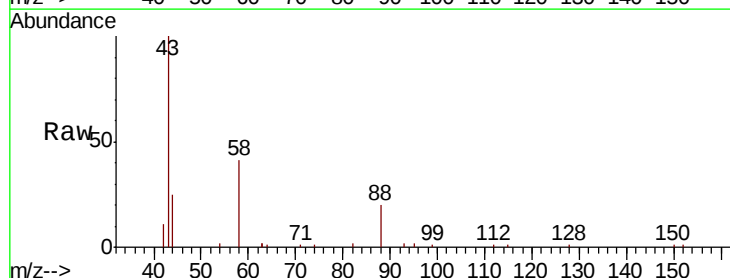
Tgt Ion: 88 Resp: 1988

Ion Ratio Lower Upper

88 100

58 87.5 59.8 89.6

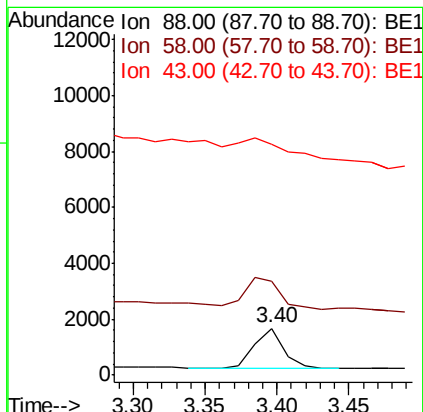
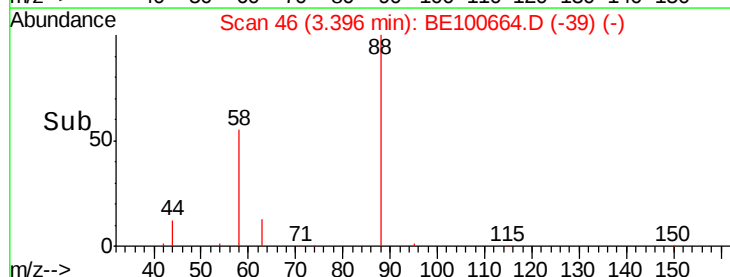
43 0.0 24.6 36.8#



Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.323 ng

RT: 3.70 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124100BSD

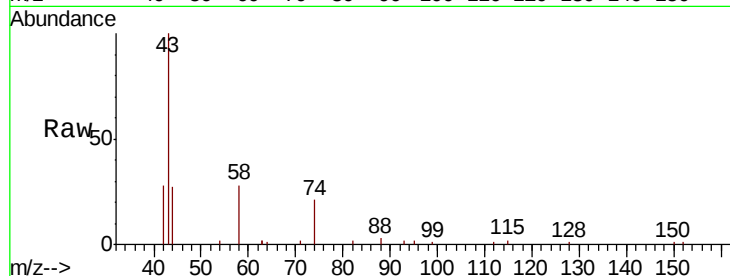
Tot Ion: 42 Resp: 2451

Ion Ratio Lower Upper

42 100

74 132.9 97.2 145.8

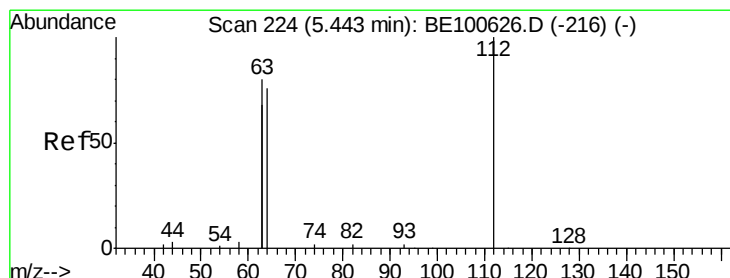
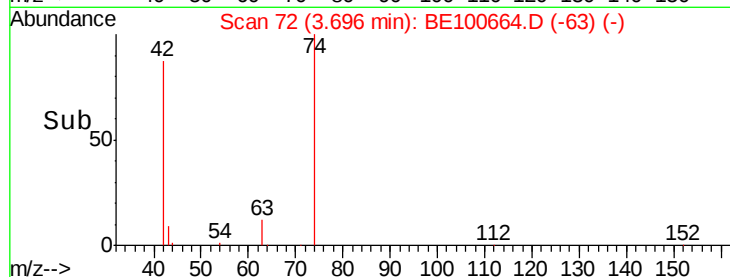
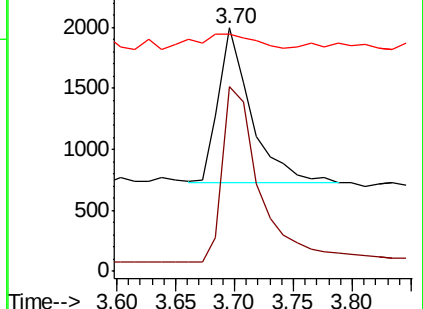
44 17.3 16.6 24.8



Abundance Ion 42.00 (41.70 to 42.70): BE1

Ion 74.00 (73.70 to 74.70): BE1

Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.318 ng

RT: 5.45 min Scan# 224

Delta R.T. 0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

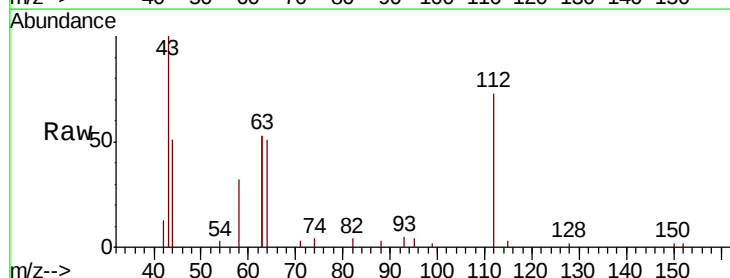
Tgt Ion: 112 Resp: 3952

Ion Ratio Lower Upper

112 100

64 70.8 55.4 83.2

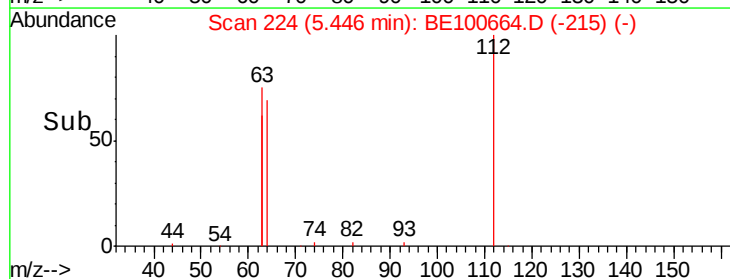
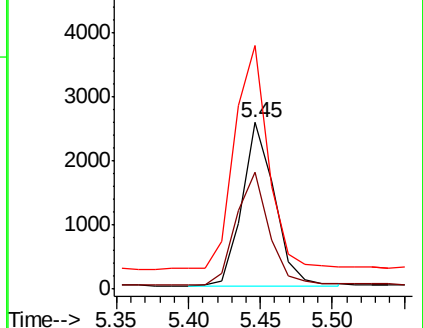
63 144.4 114.2 171.4



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.332 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124100BSD

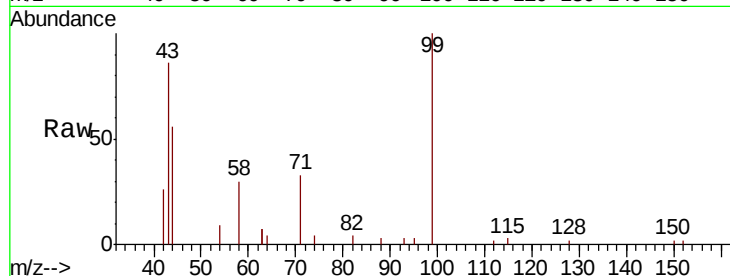
Tot Ion: 99 Resp: 5815

Ion Ratio Lower Upper

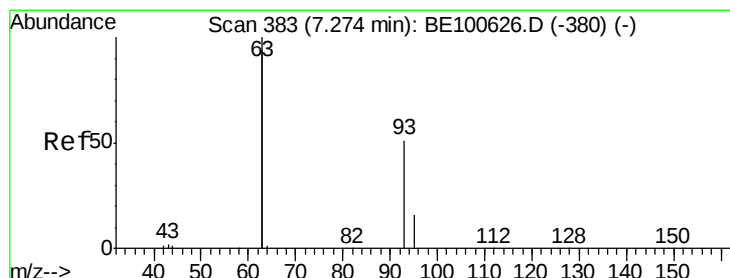
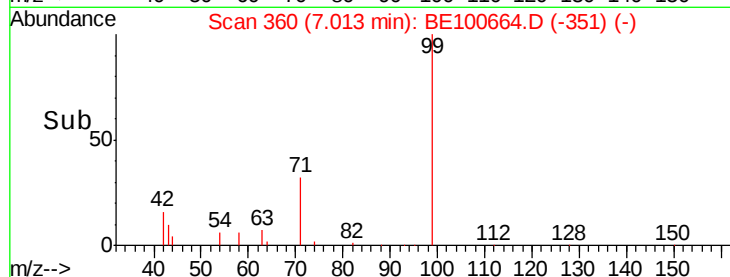
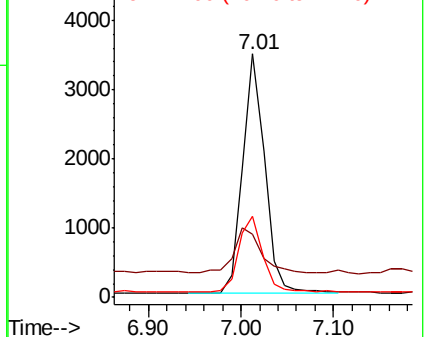
99 100

42 22.3 17.7 26.5

71 33.7 27.4 41.0



Abundance Ion 99.00 (98.70 to 99.70): BE1
Ion 42.00 (41.70 to 42.70): BE1
Ion 71.00 (70.70 to 71.70): BE1



#6

bis(2-Chloroethyl)ether

Concen: 0.354 ng

RT: 7.28 min Scan# 383

Delta R.T. 0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

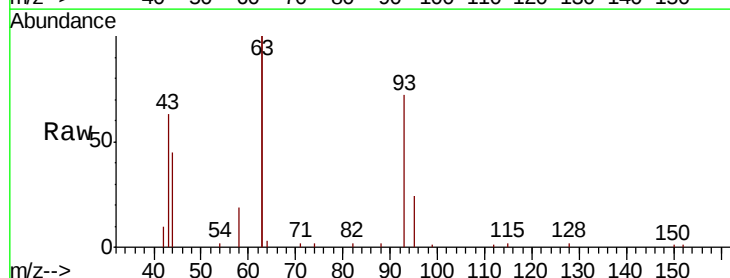
Tgt Ion: 93 Resp: 5096

Ion Ratio Lower Upper

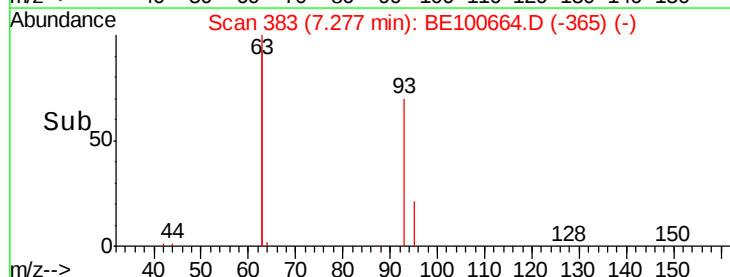
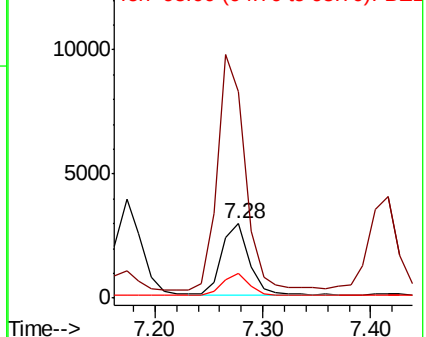
93 100

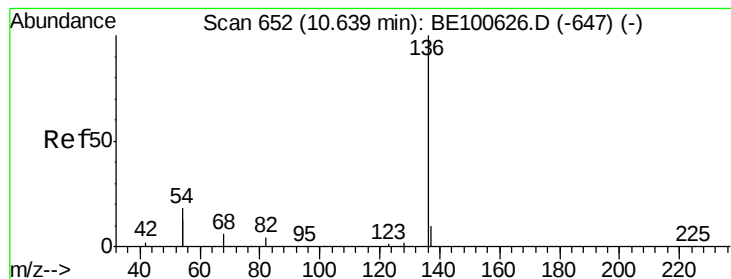
63 329.6 268.8 403.2

95 31.5 25.6 38.4



Abundance Ion 93.00 (92.70 to 93.70): BE1
Ion 63.00 (62.70 to 63.70): BE1
Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

Instrument :

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ClientSampleId :

PB124100BSD

Tot Ion:136 Resp: 16310

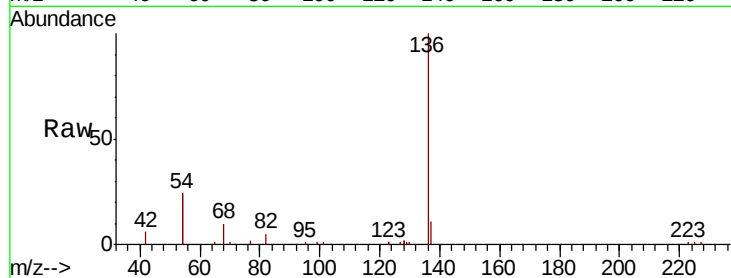
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 48.1 39.4 59.2

68 9.6 8.0 12.0

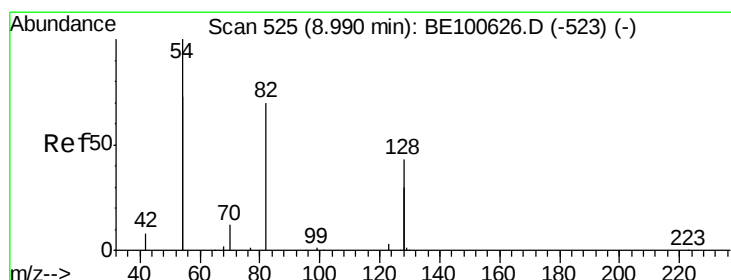
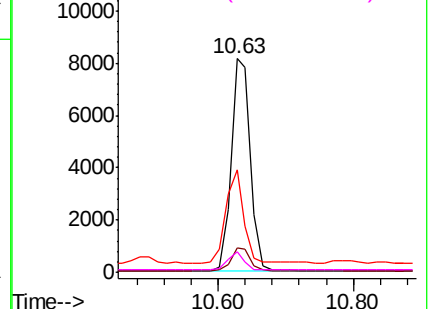
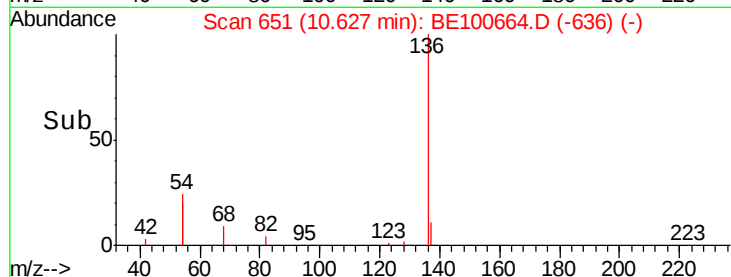


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.375 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

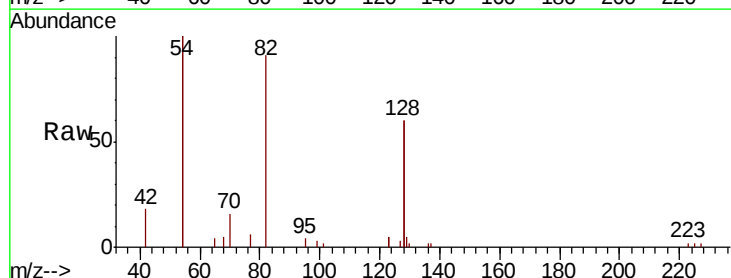
Tgt Ion: 82 Resp: 3788

Ion Ratio Lower Upper

82 100

128 132.0 107.8 161.8

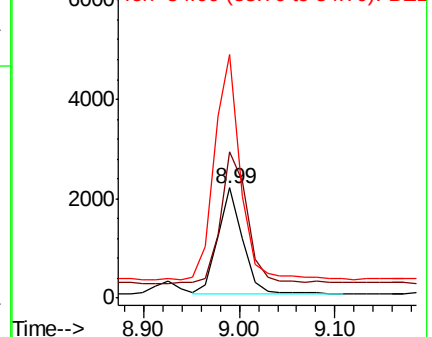
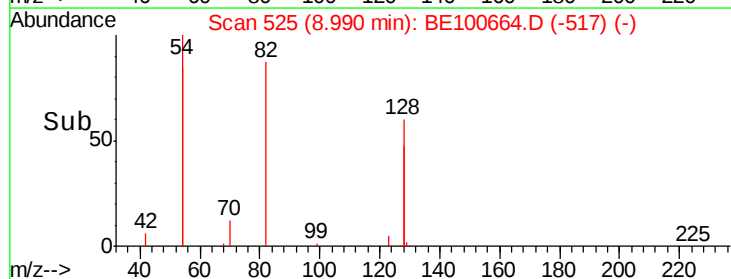
54 220.4 166.1 249.1



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.344 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE100664.D

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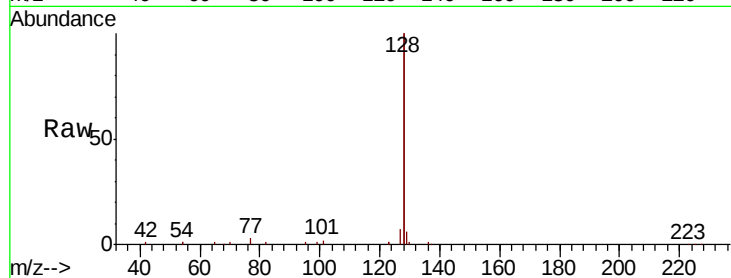
Tot Ion:128 Resp: 58952

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

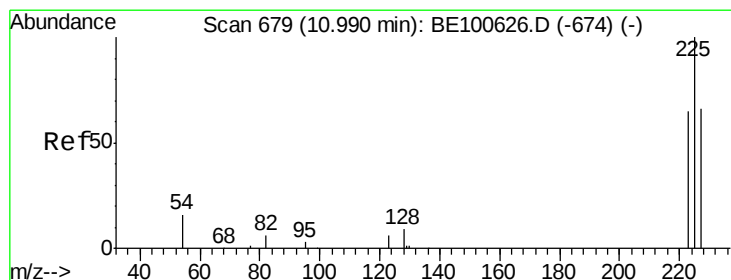
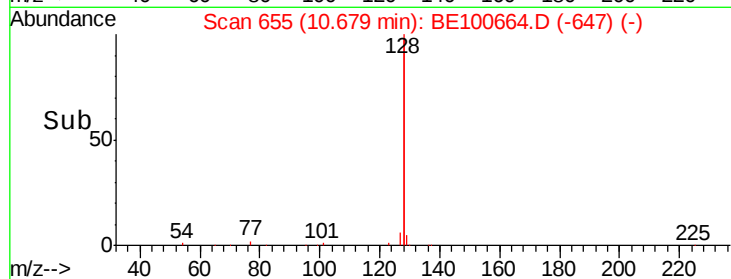
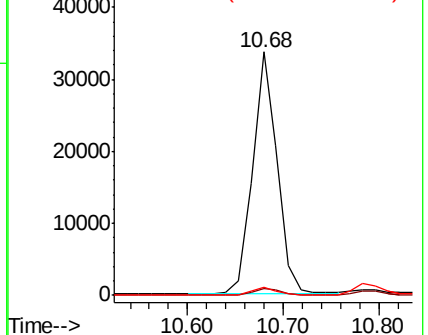
127 3.3 2.7 4.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.333 ng

RT: 10.98 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

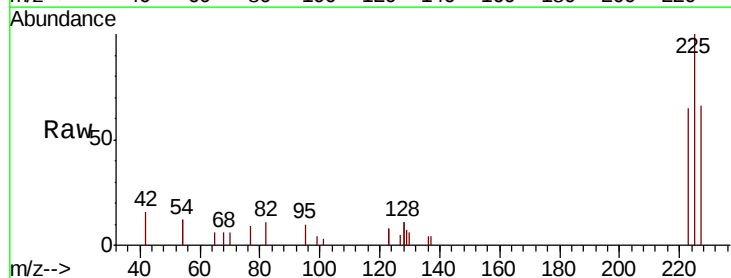
Tgt Ion:225 Resp: 2484

Ion Ratio Lower Upper

225 100

223 62.8 48.6 72.8

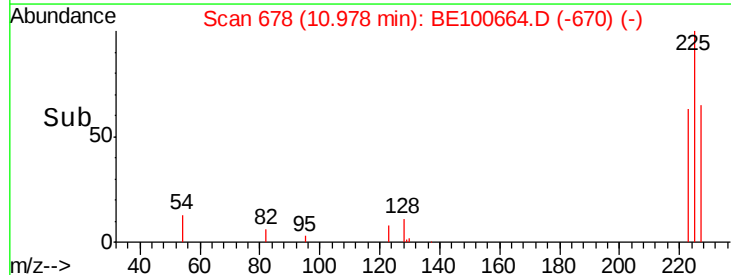
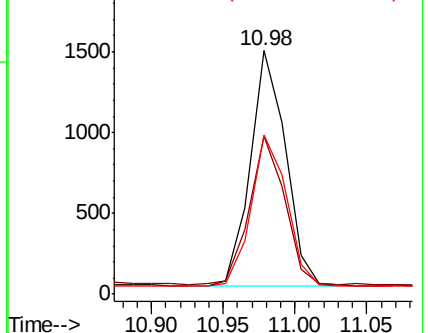
227 65.5 51.6 77.4

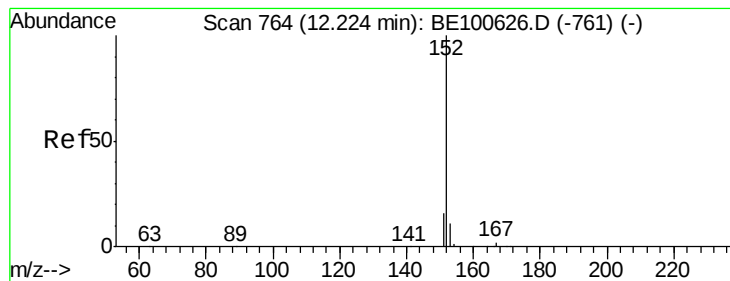


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.366 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

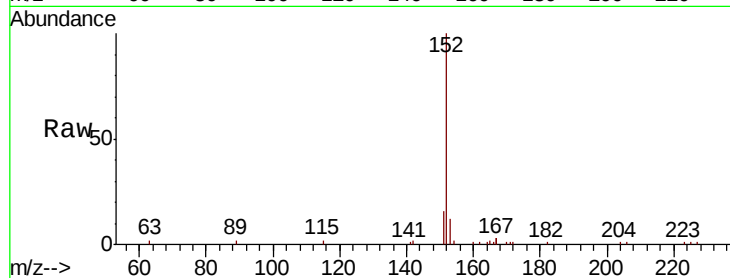
PB124100BSD

Tot Ion:152 Resp: 9411

Ion Ratio Lower Upper

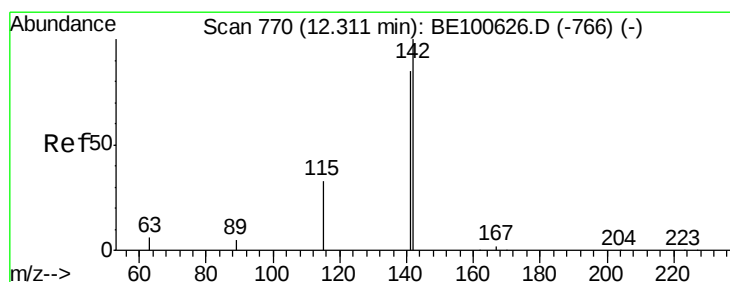
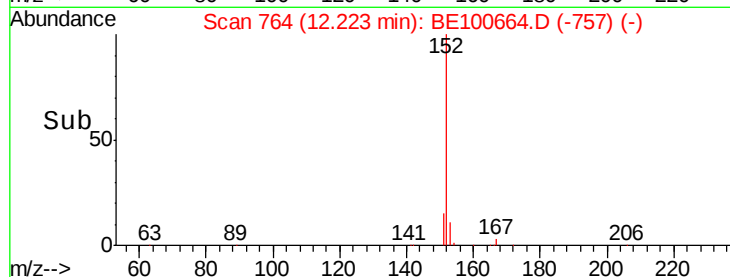
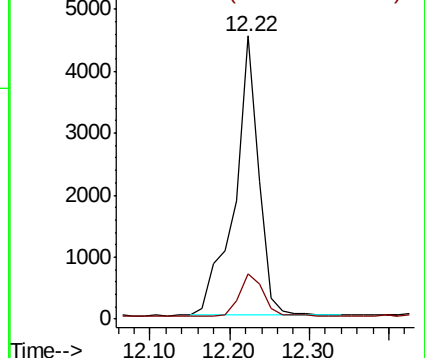
152 100

151 14.9 14.7 22.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.333 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

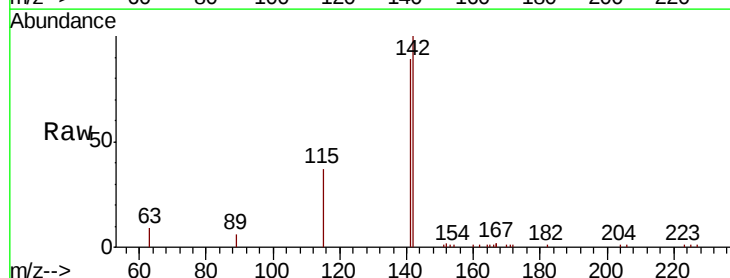
Tgt Ion:142 Resp: 9747

Ion Ratio Lower Upper

142 100

141 89.5 70.1 105.1

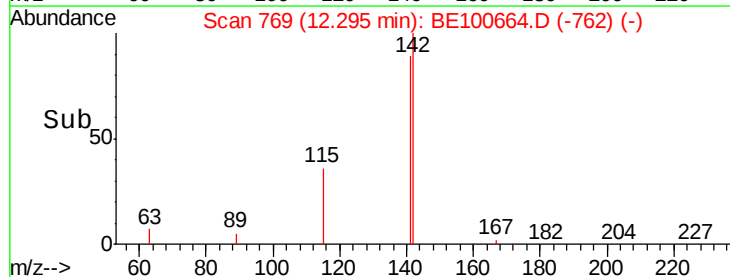
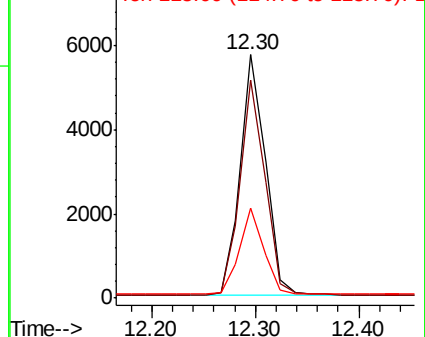
115 37.0 28.3 42.5

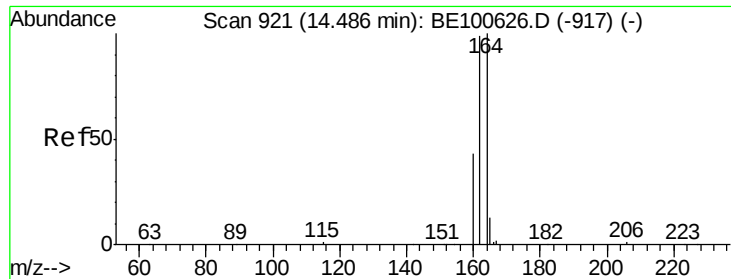


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

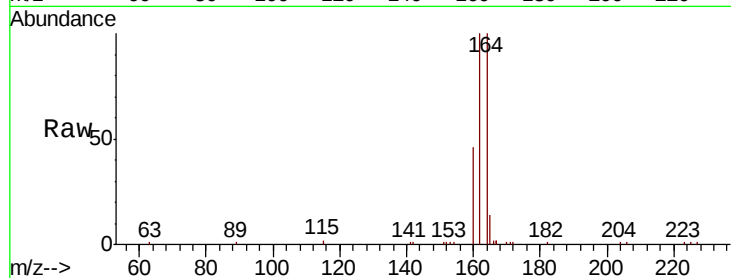




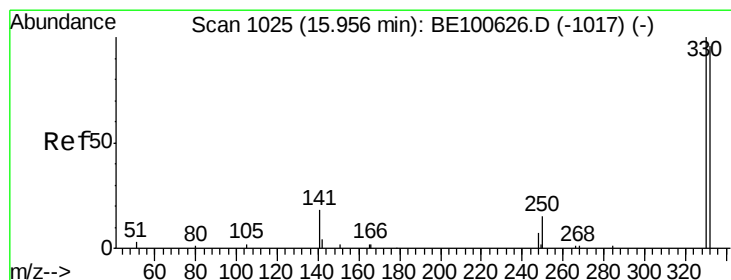
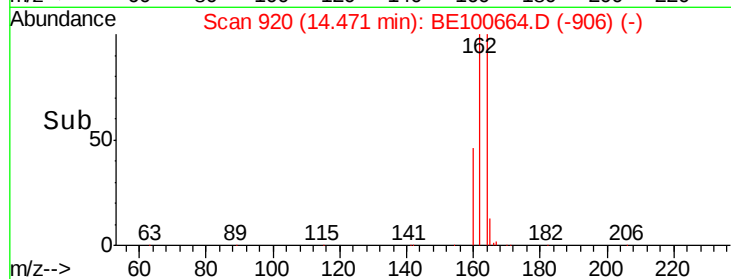
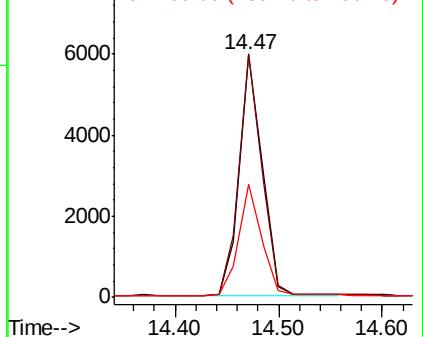
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: BE100664.D
 Acq: 23 Oct 2019 16:38

Instrument :
 BNA_E
 ClientSampleId :
 PB124100BSD

Tot Ion:164 Resp: 9031
 Ion Ratio Lower Upper
 164 100
 162 100.4 82.0 123.0
 160 46.6 37.5 56.3

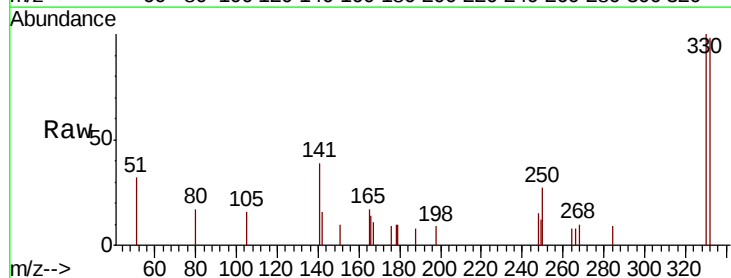


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

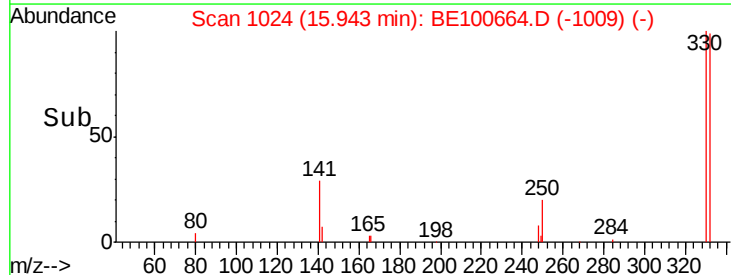
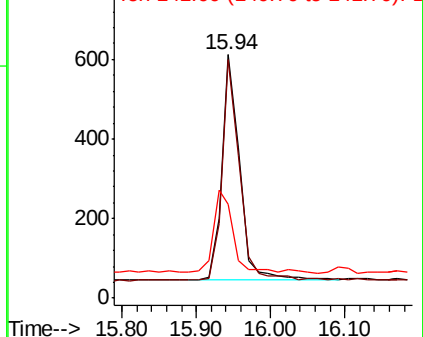


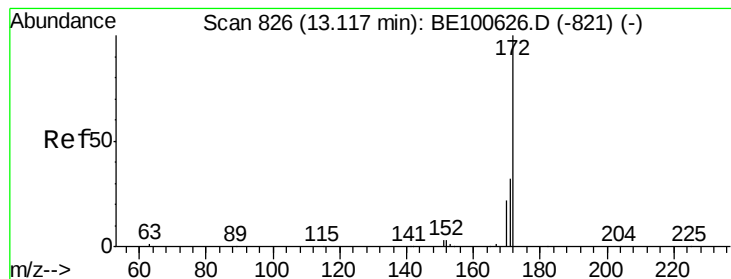
#14
 2,4,6-Tribromophenol
 Concen: 0.398 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE100664.D
 Acq: 23 Oct 2019 16:38

Tgt Ion:330 Resp: 949
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.9 116.9
 141 39.8 33.0 49.6



Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.299 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124100BSD

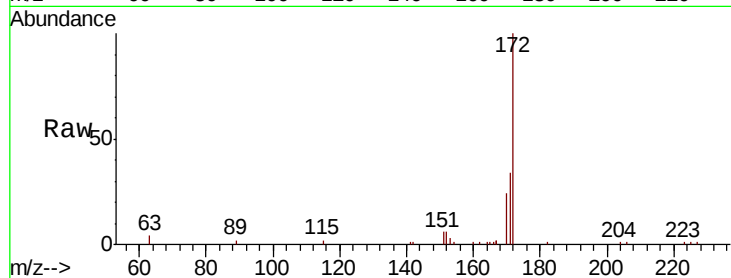
Tot Ion:172 Resp: 9854

Ion Ratio Lower Upper

172 100

171 33.6 26.5 39.7

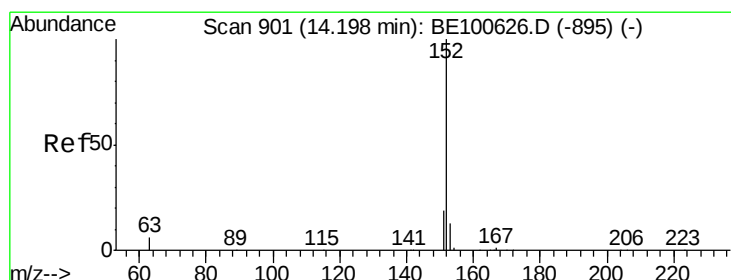
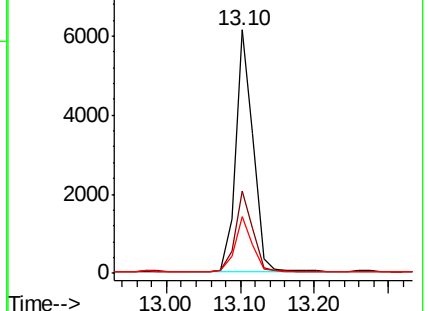
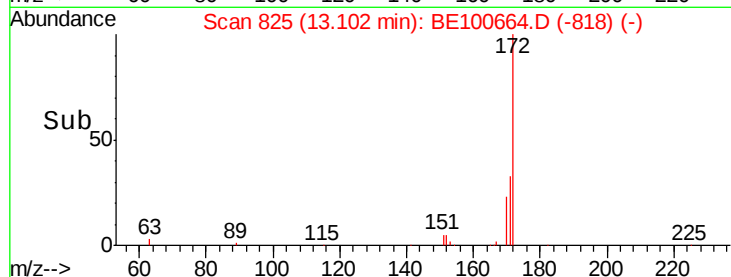
170 23.5 19.0 28.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.358 ng

RT: 14.20 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

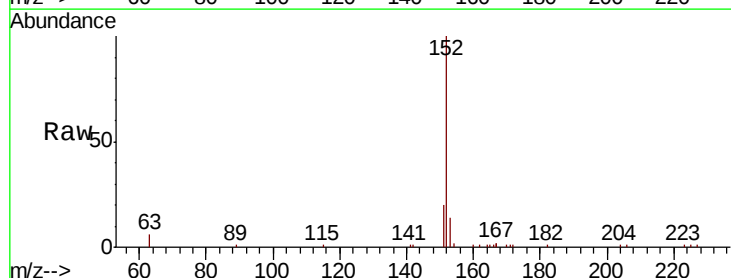
Tgt Ion:152 Resp: 13930

Ion Ratio Lower Upper

152 100

151 19.5 15.2 22.8

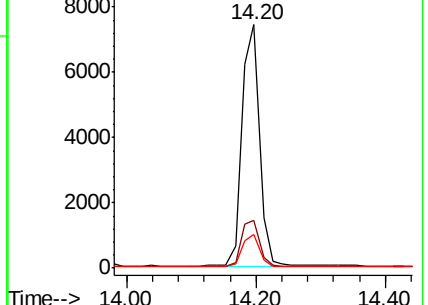
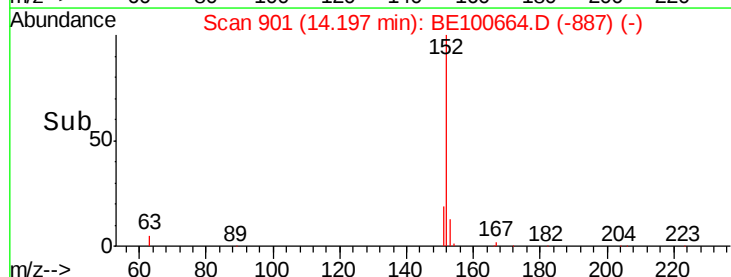
153 13.2 10.3 15.5

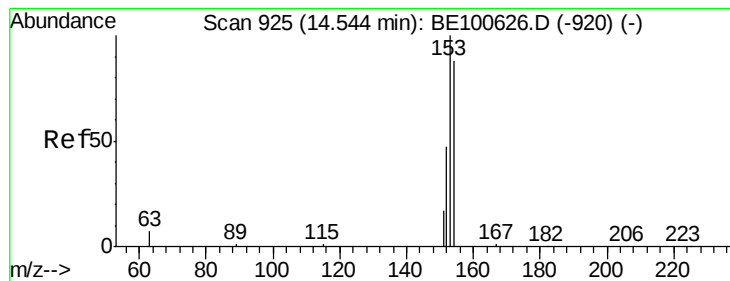


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.338 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124100BSD

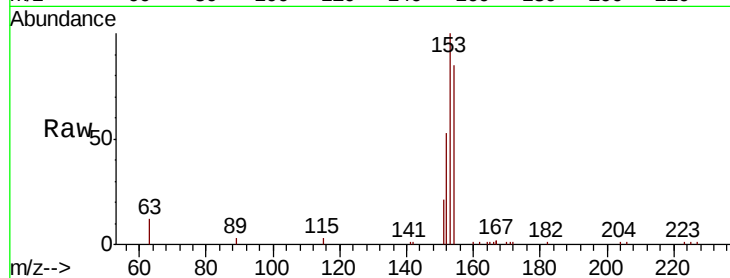
Tot Ion:154 Resp: 8484

Ion Ratio Lower Upper

154 100

153 114.6 89.4 134.2

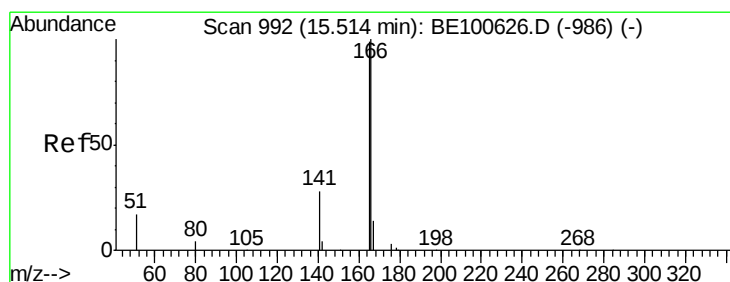
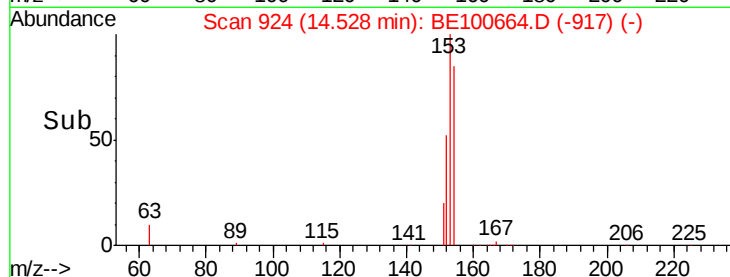
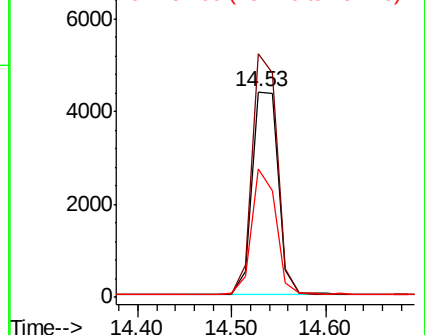
152 57.5 44.1 66.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.339 ng

RT: 15.50 min Scan# 991

Delta R.T. 0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

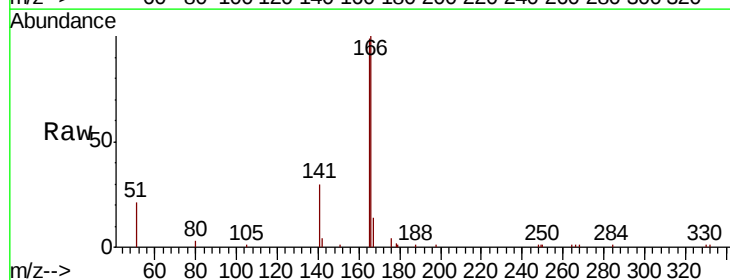
Tgt Ion:166 Resp: 11296

Ion Ratio Lower Upper

166 100

165 98.5 78.6 117.8

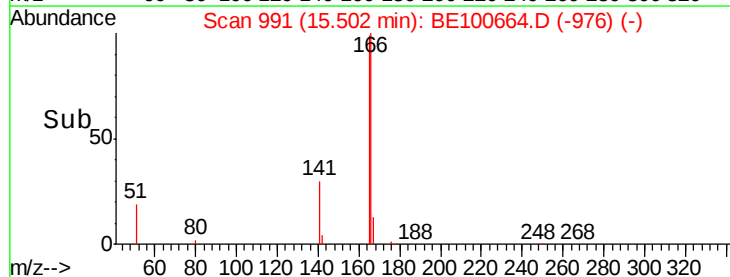
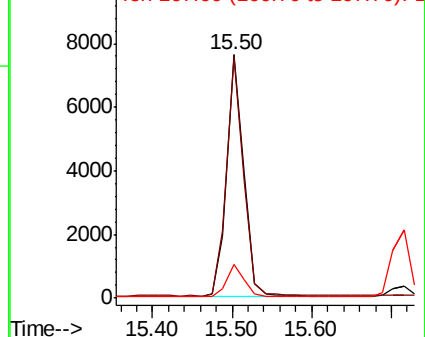
167 13.2 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124100BSD

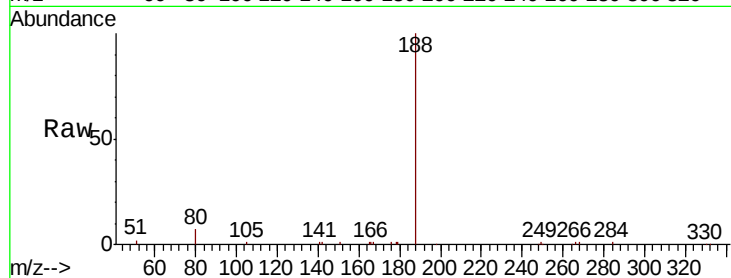
Tot Ion:188 Resp: 19477

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

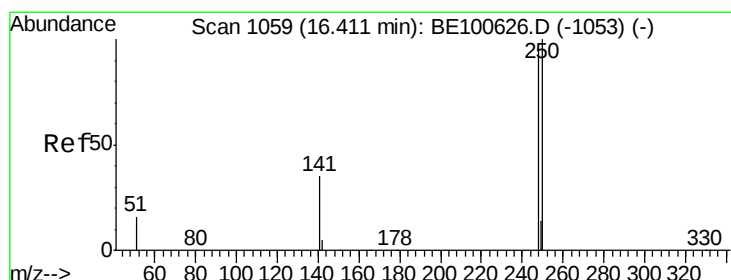
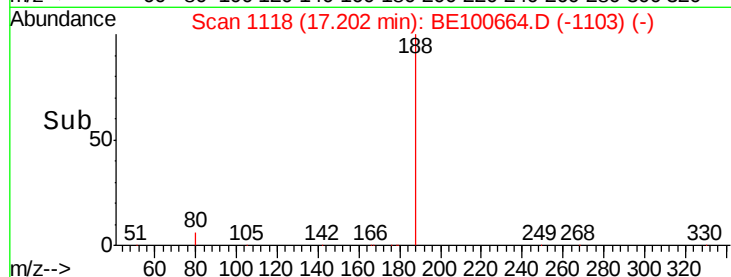
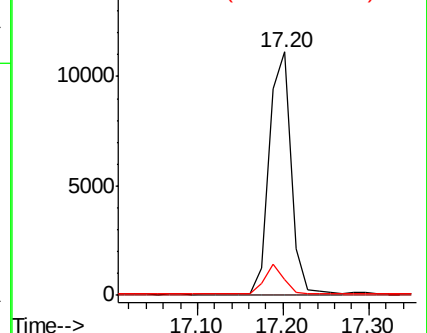
80 6.7 5.4 8.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#20

4-Bromophenyl-phenylether

Concen: 0.350 ng

RT: 16.40 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

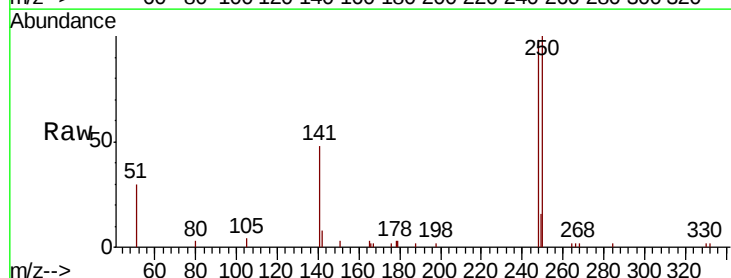
Tgt Ion:248 Resp: 3472

Ion Ratio Lower Upper

248 100

250 102.3 76.3 114.5

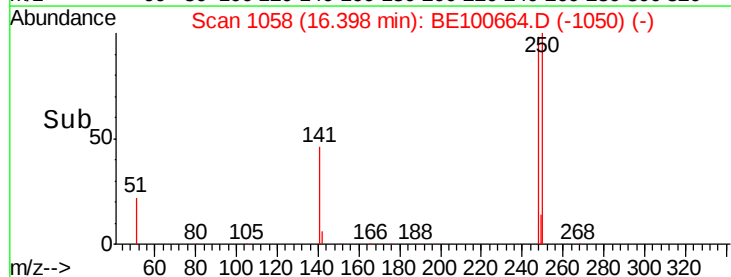
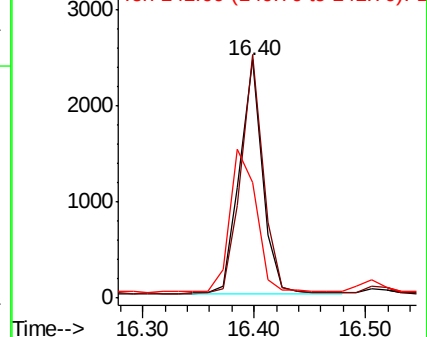
141 48.6 37.3 55.9

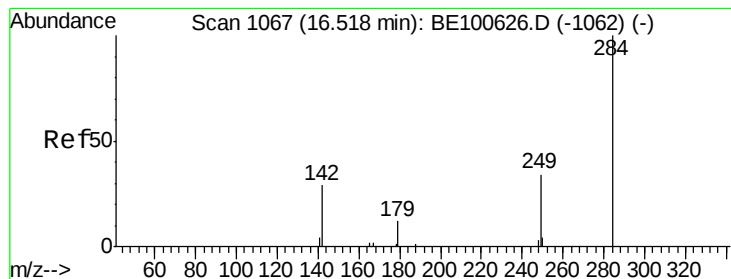


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.337 ng

RT: 16.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124100BSD

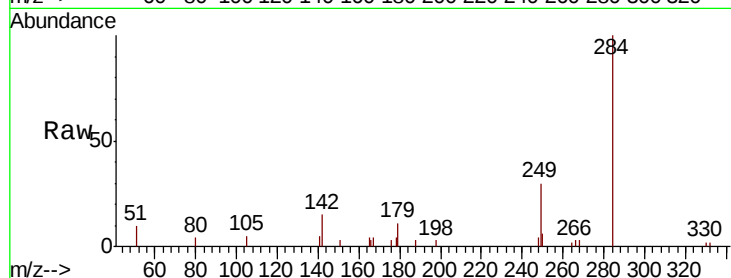
Tot Ion:284 Resp: 3182

Ion Ratio Lower Upper

284 100

142 35.3 28.6 42.8

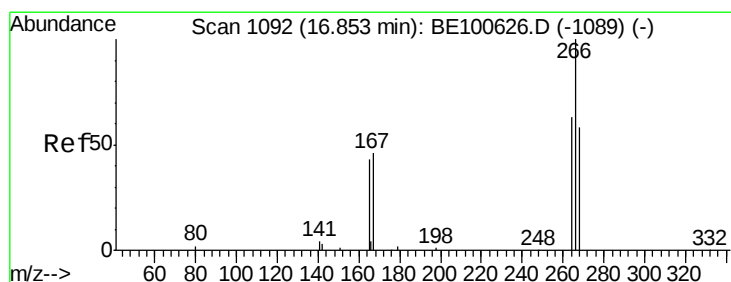
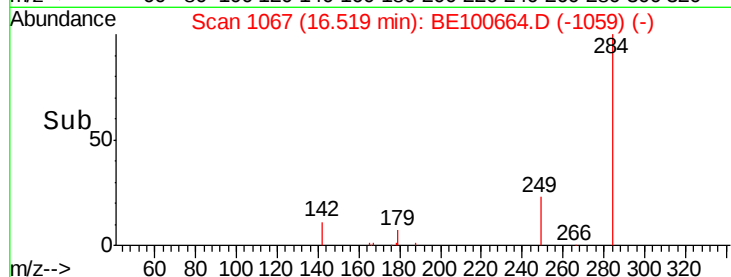
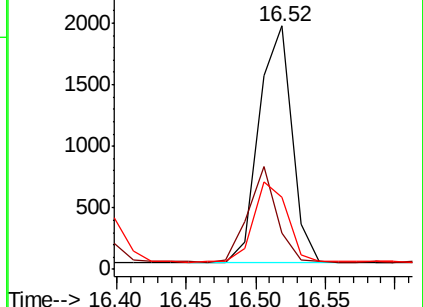
249 34.9 26.3 39.5



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.648 ng

RT: 16.85 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

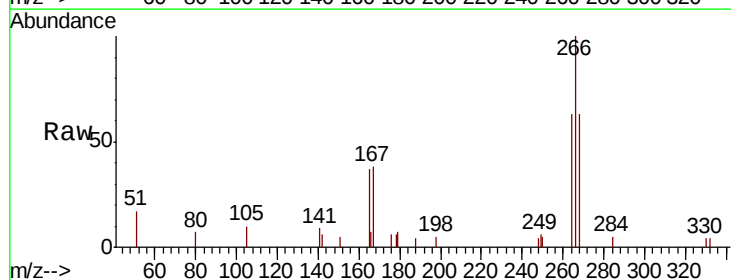
Tgt Ion:266 Resp: 1971

Ion Ratio Lower Upper

266 100

264 63.3 52.2 78.4

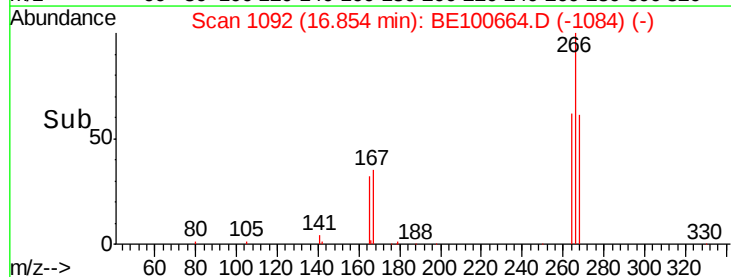
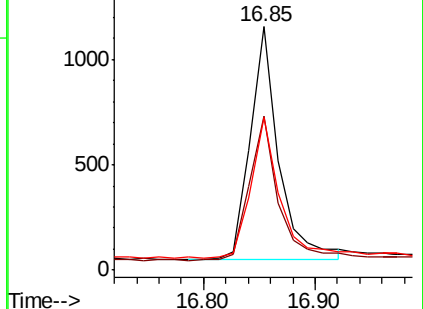
268 62.9 53.1 79.7

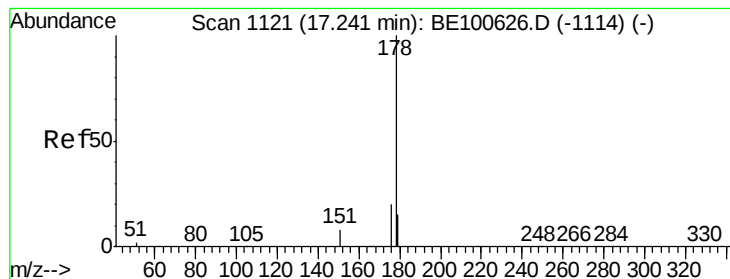


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.344 ng

RT: 17.24 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124100BSD

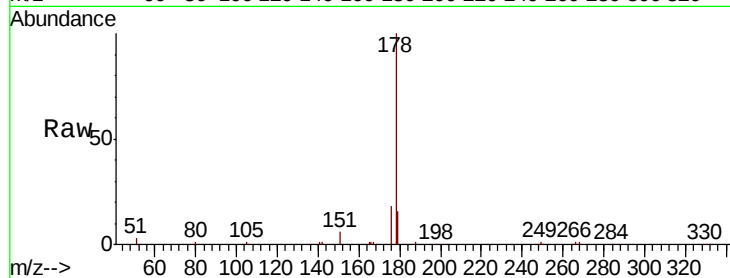
Tot Ion:178 Resp: 18449

Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

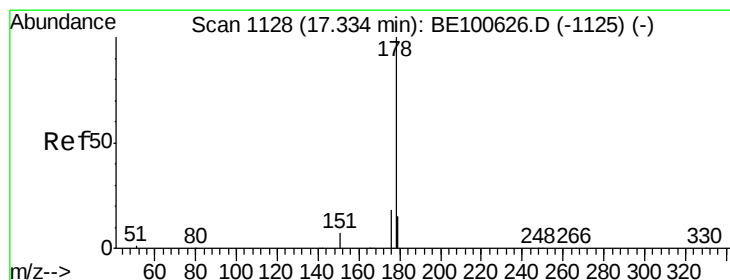
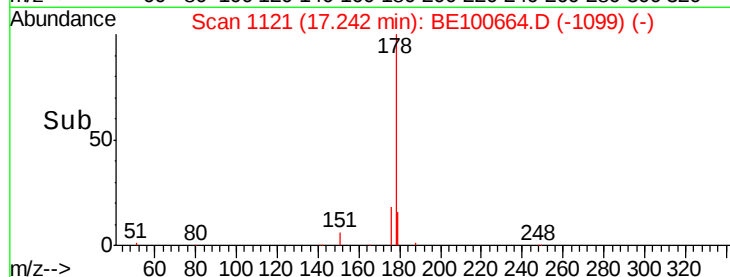
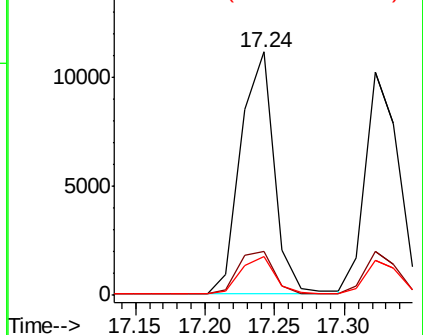
179 15.5 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.339 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

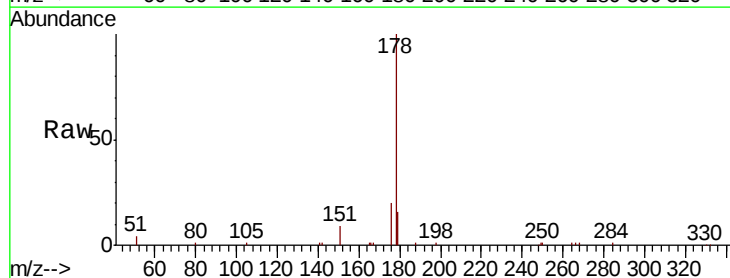
Tgt Ion:178 Resp: 16854

Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

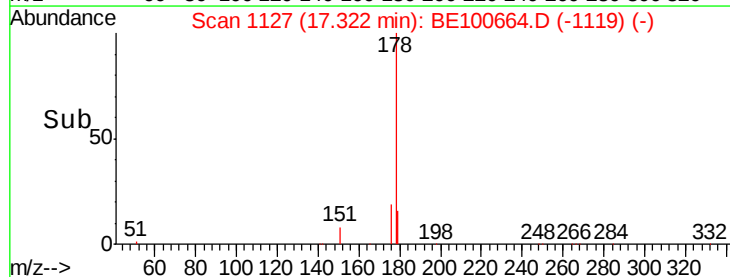
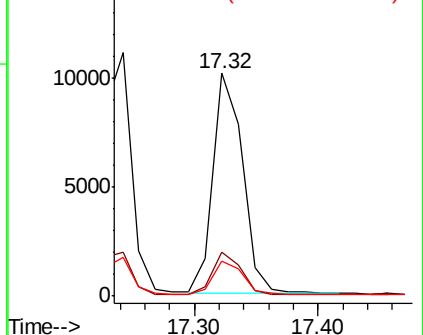
179 15.4 12.5 18.7

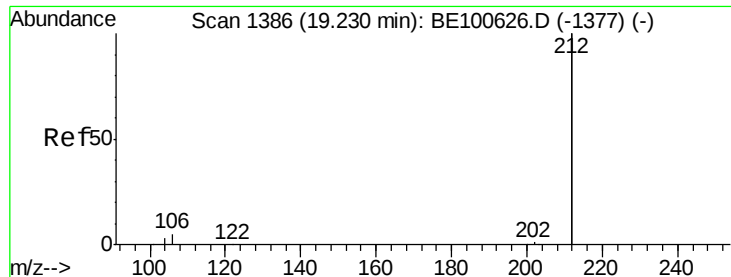


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

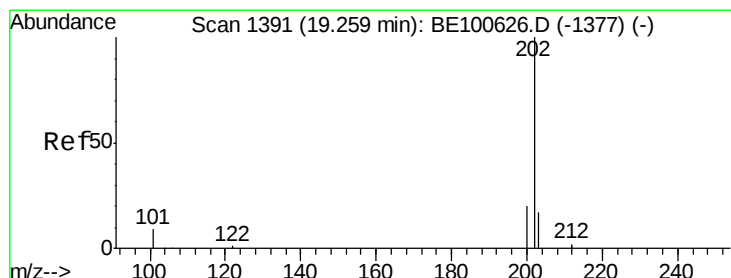
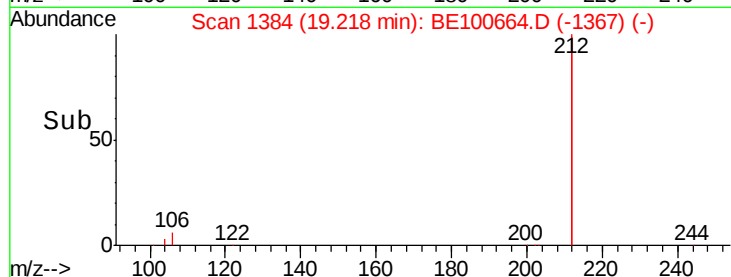
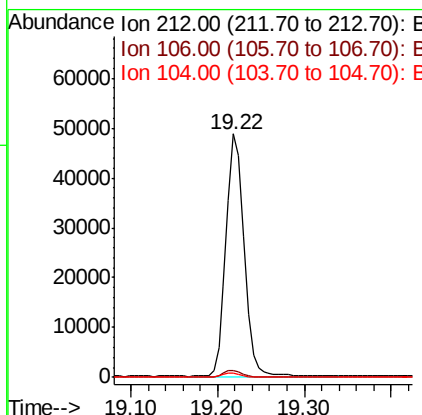
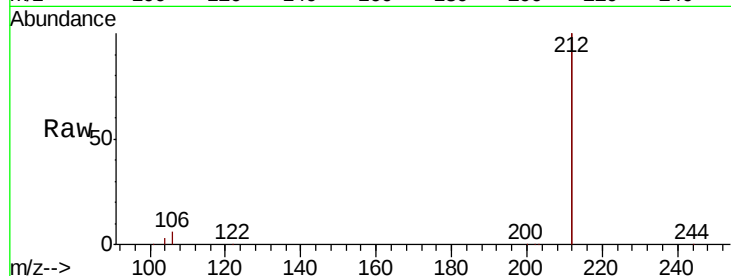




#25
 Fluoranthene-d10
 Concen: 0.280 ng
 RT: 19.22 min Scan# 1384
 Delta R.T. -0.00 min
 Lab File: BE100664.D
 Acq: 23 Oct 2019 16:38

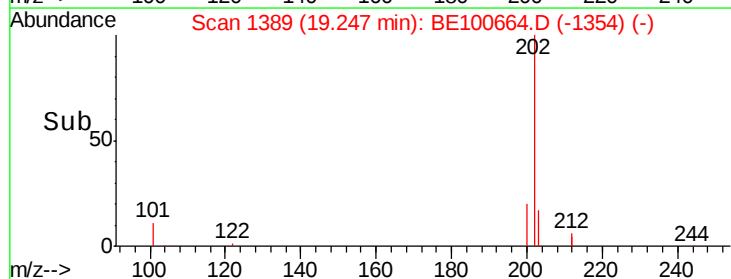
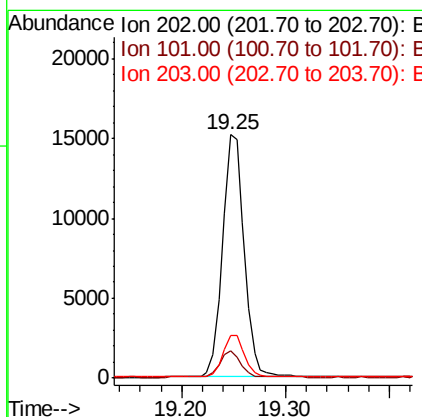
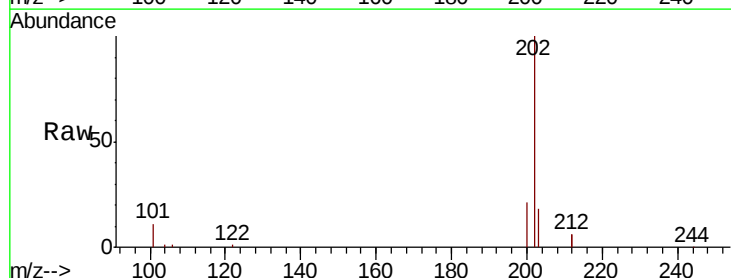
Instrument :
 BNA_E
 ClientSampleId :
 PB124100BSD

Tot Ion:212 Resp: 70408
 Ion Ratio Lower Upper
 212 100
 106 2.9 2.3 3.5
 104 1.6 1.3 1.9



#26
 Fluoranthene
 Concen: 0.314 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: BE100664.D
 Acq: 23 Oct 2019 16:38

Tgt Ion:202 Resp: 21972
 Ion Ratio Lower Upper
 202 100
 101 10.5 8.5 12.7
 203 17.2 13.8 20.8

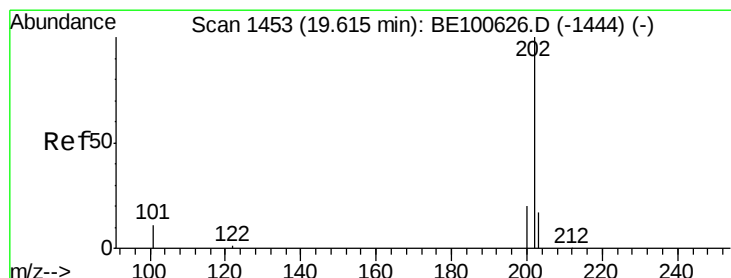
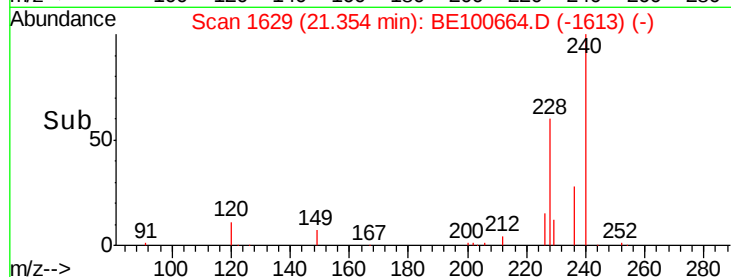
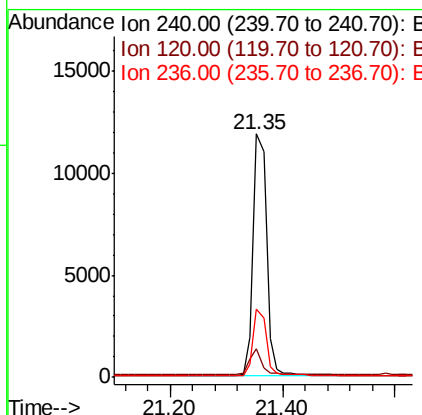
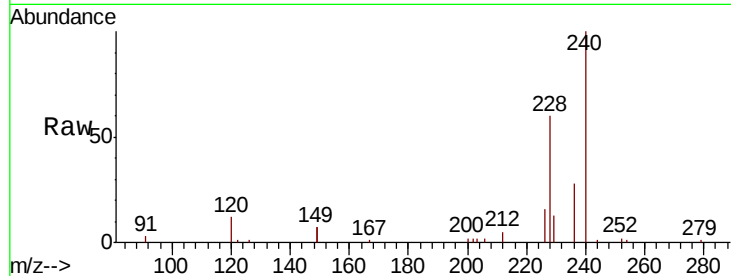




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE100664.D
Acq: 23 Oct 2019 16:38

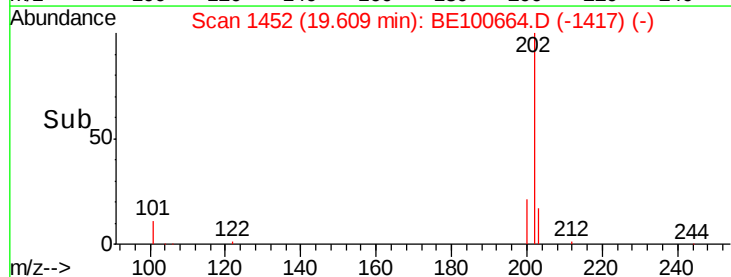
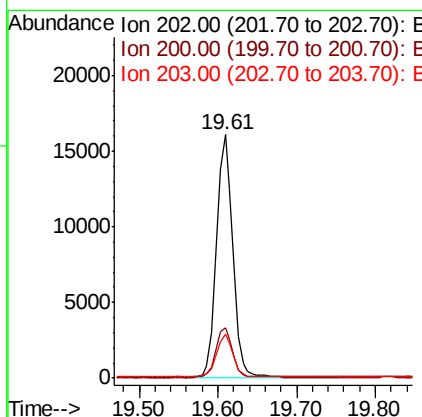
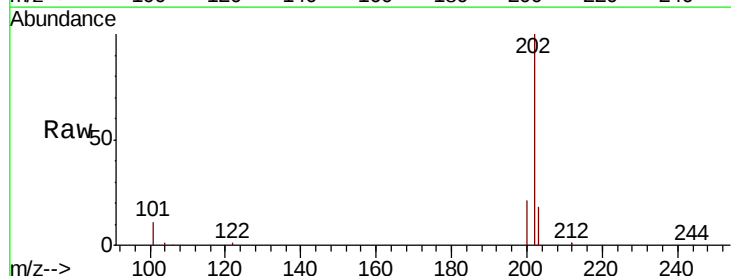
Instrument :
BNA_E
ClientSampleId :
PB124100BSD

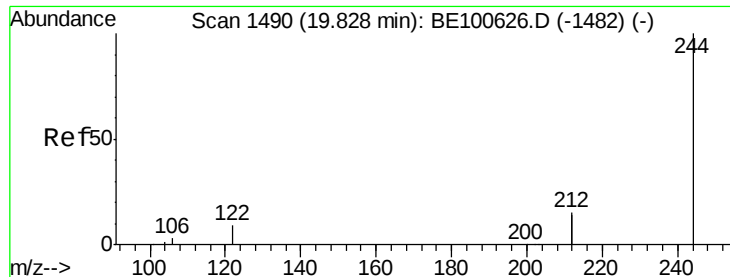
Tot Ion:240 Resp: 20102
Ion Ratio Lower Upper
240 100
120 11.7 7.6 11.4#
236 28.1 22.1 33.1



#28
Pyrene
Concen: 0.401 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BE100664.D
Acq: 23 Oct 2019 16:38

Tgt Ion:202 Resp: 22494
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 18.3 14.0 21.0





#29

Terphenyl-d14

Concen: 0.383 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124100BSD

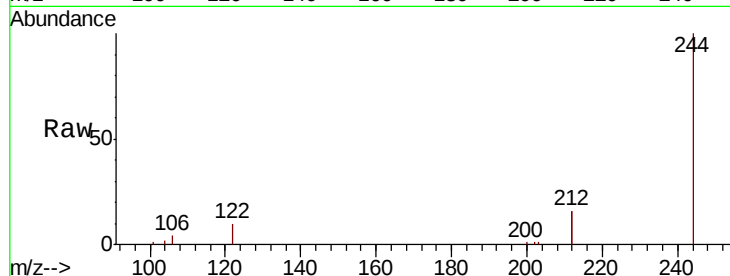
Tot Ion:244 Resp: 16829

Ion Ratio Lower Upper

244 100

212 31.4 23.7 35.5

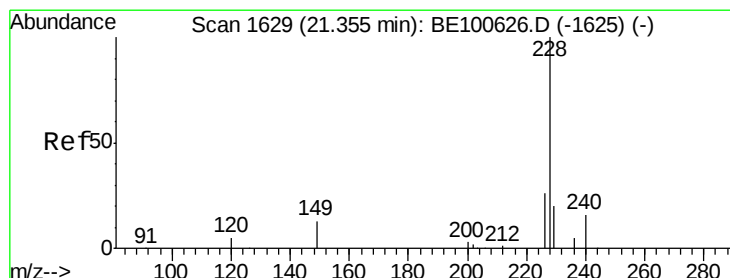
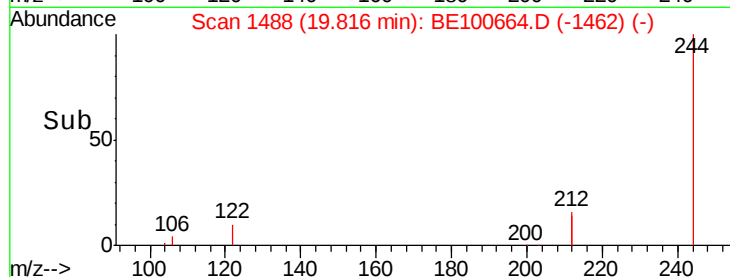
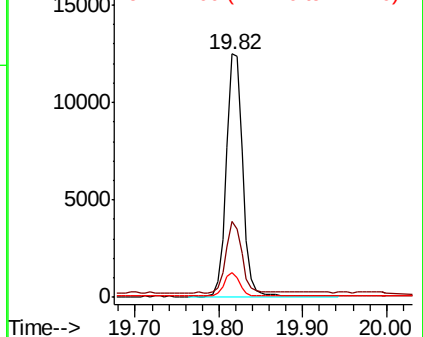
122 10.2 7.9 11.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.345 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

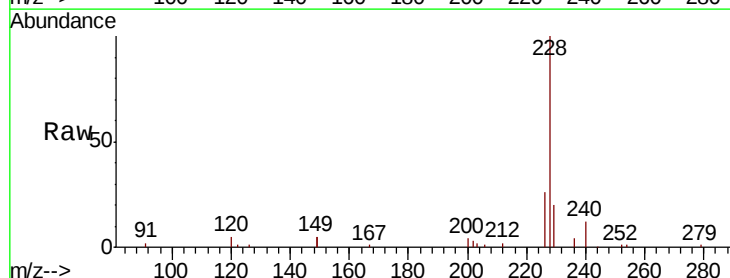
Tgt Ion:228 Resp: 22607

Ion Ratio Lower Upper

228 100

226 26.4 21.4 32.0

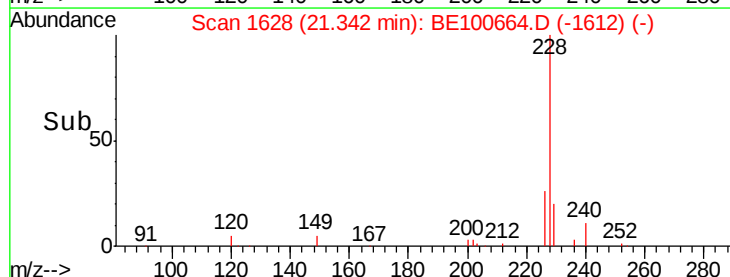
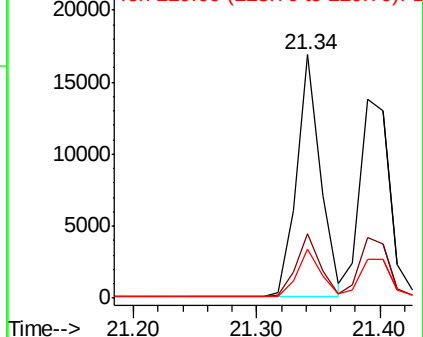
229 20.1 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.349 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124100BSD

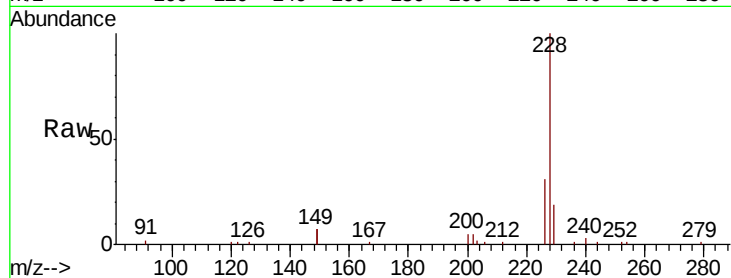
Tot Ion:228 Resp: 22880

Ion Ratio Lower Upper

228 100

226 30.8 24.6 37.0

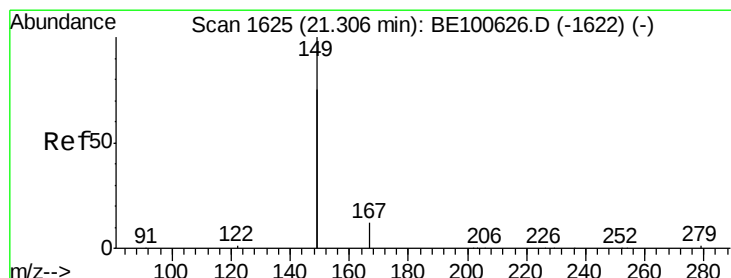
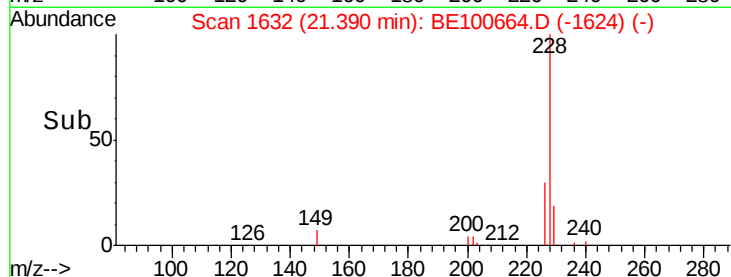
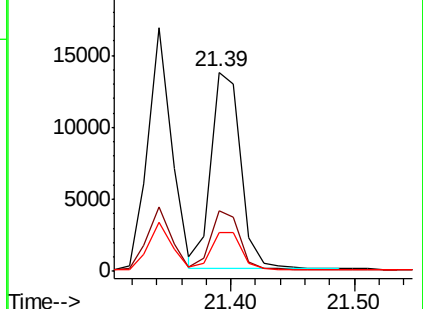
229 19.4 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.329 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

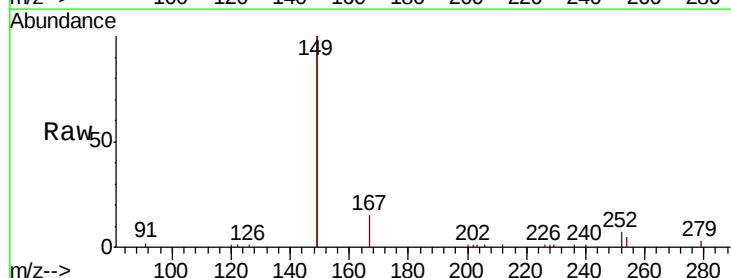
Tgt Ion:149 Resp: 45115

Ion Ratio Lower Upper

149 100

167 7.1 5.5 8.3

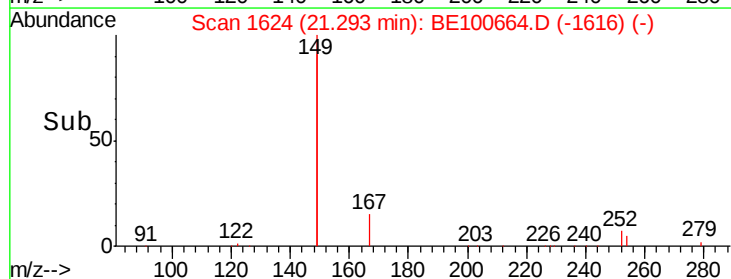
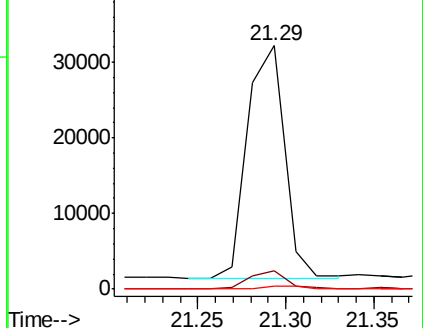
279 1.0 0.9 1.3

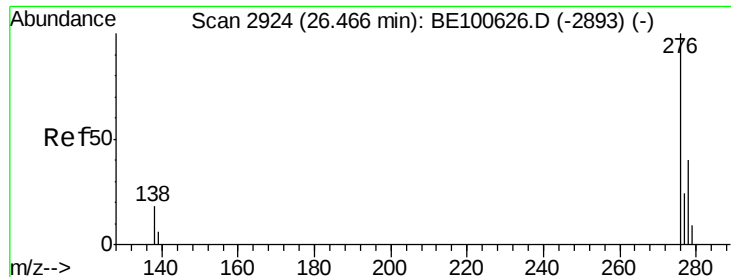


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.495 ng

RT: 26.44 min Scan# 2917

Delta R.T. 0.01 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124100BSD

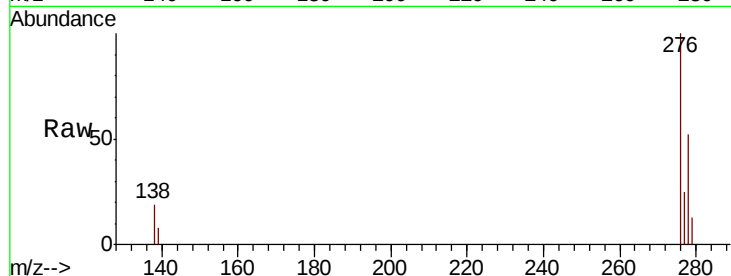
Tot Ion:276 Resp: 39848

Ion Ratio Lower Upper

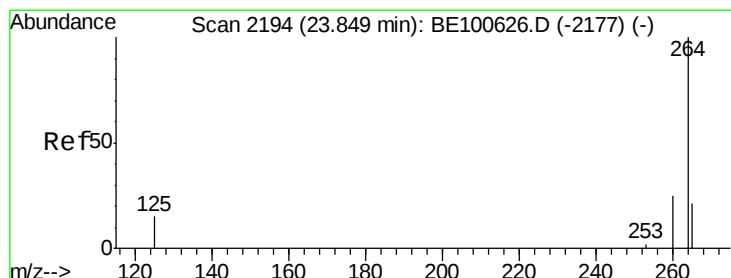
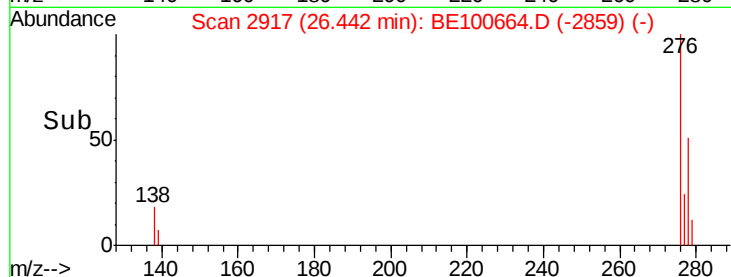
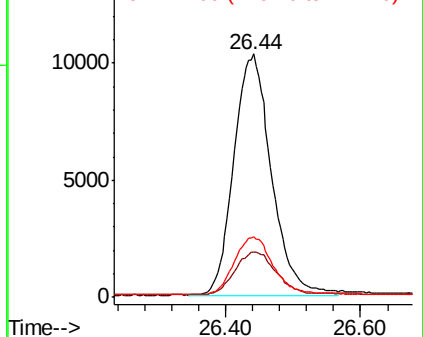
276 100

138 19.3 15.3 22.9

277 24.6 19.4 29.2



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.83 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

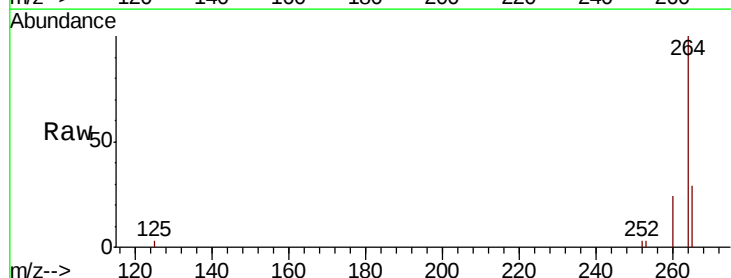
Tgt Ion:264 Resp: 29058

Ion Ratio Lower Upper

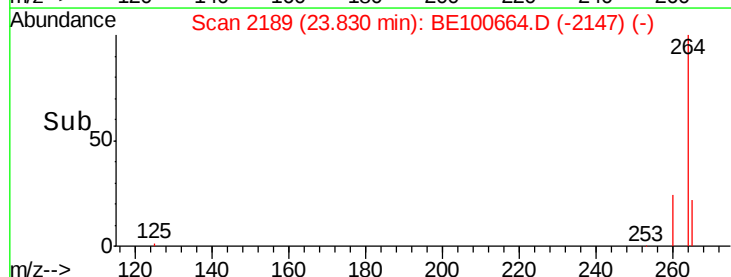
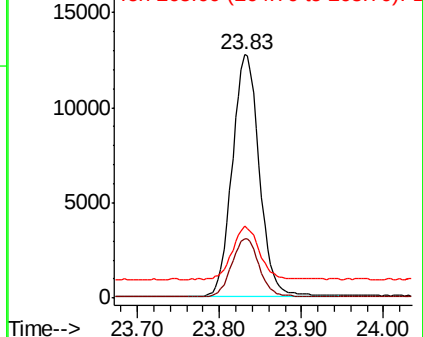
264 100

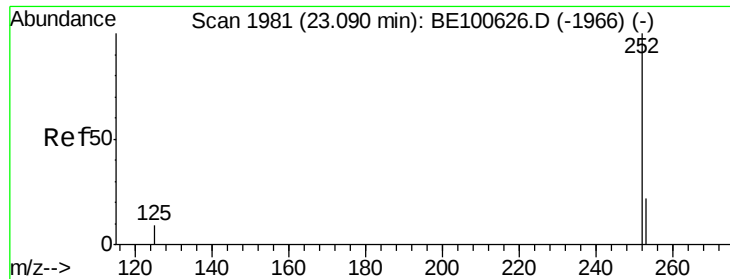
260 24.4 19.4 29.2

265 29.4 21.7 32.5



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.324 ng

RT: 23.07 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124100BSD

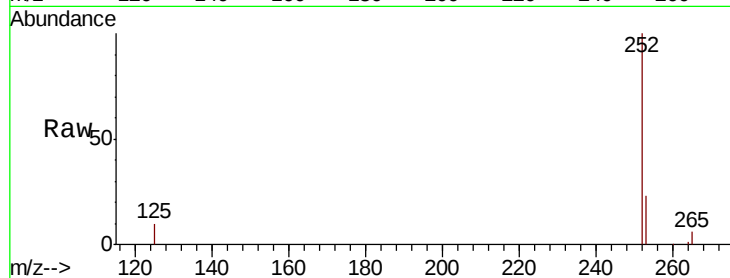
Tot Ion:252 Resp: 27484

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

125 9.7 7.6 11.4

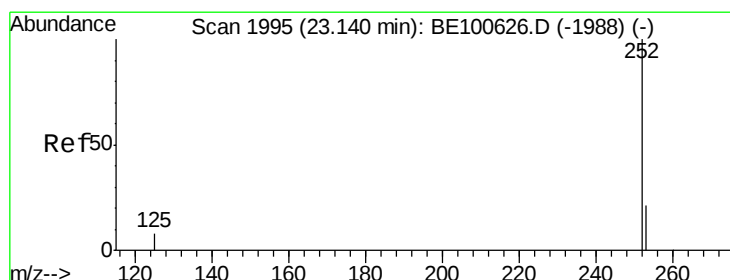
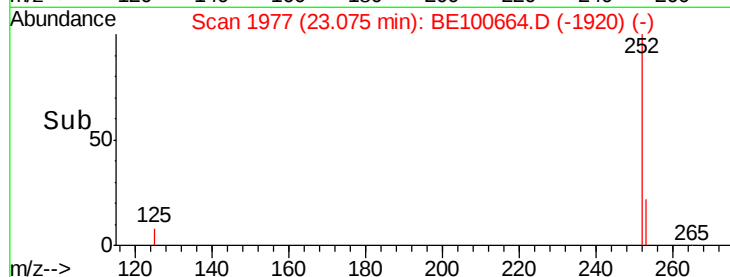
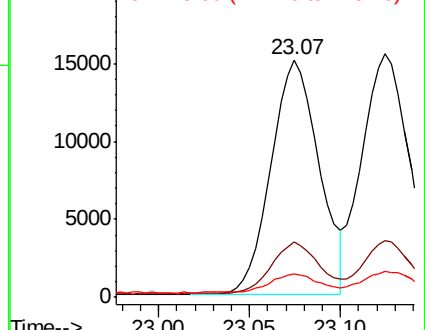


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.330 ng

RT: 23.12 min Scan# 1991

Delta R.T. -0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

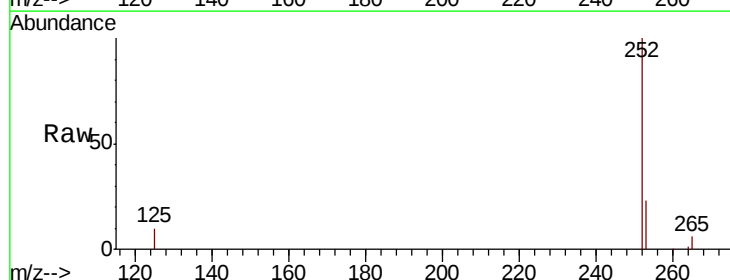
Tgt Ion:252 Resp: 28788

Ion Ratio Lower Upper

252 100

253 23.4 18.4 27.6

125 10.5 11.6 17.4#

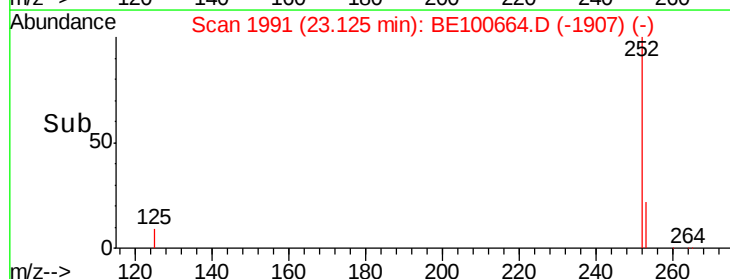
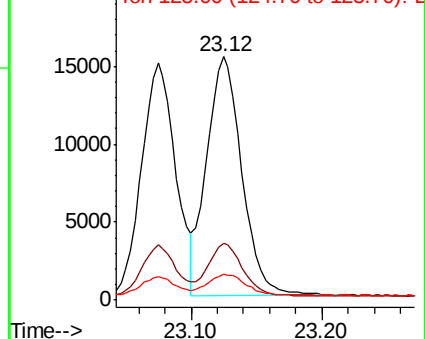


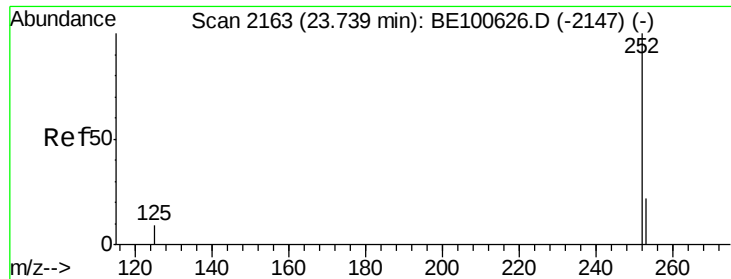
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.367 ng

RT: 23.72 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124100BSD

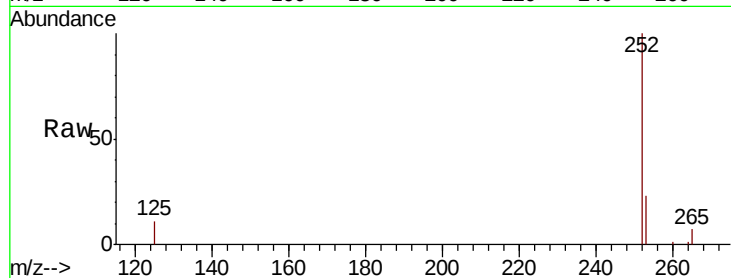
Tot Ion:252 Resp: 28958

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

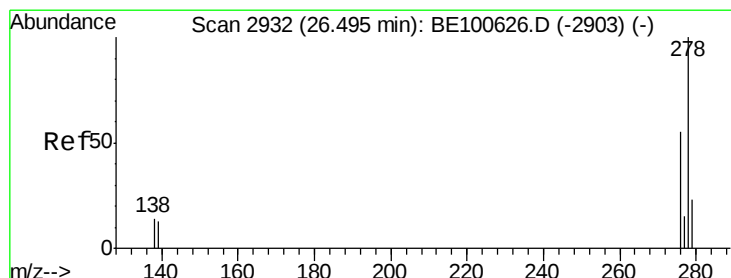
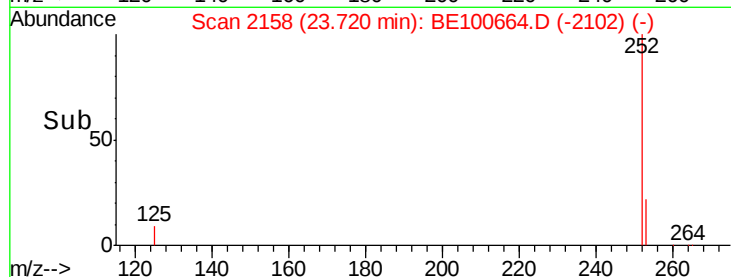
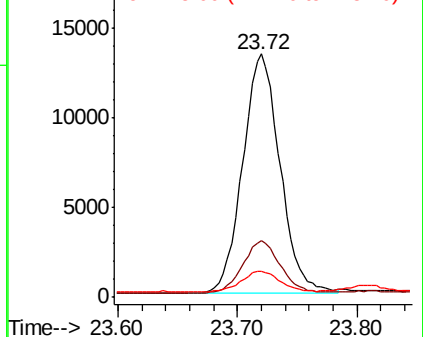
125 10.8 8.2 12.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.409 ng

RT: 26.46 min Scan# 2923

Delta R.T. 0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

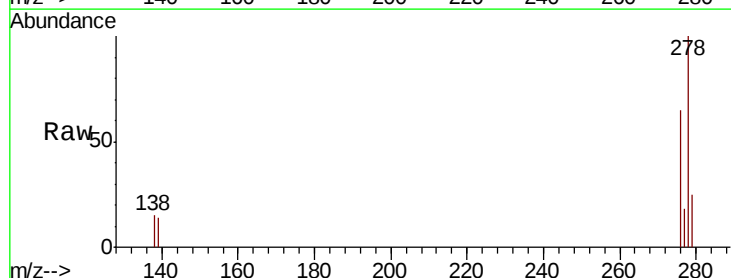
Tgt Ion:278 Resp: 33368

Ion Ratio Lower Upper

278 100

139 13.6 10.9 16.3

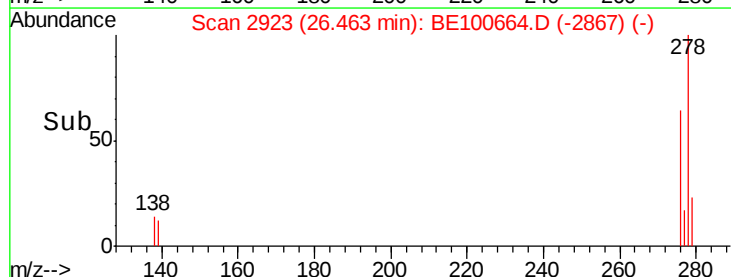
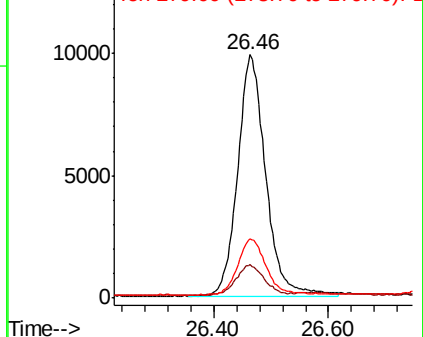
279 24.6 19.4 29.2

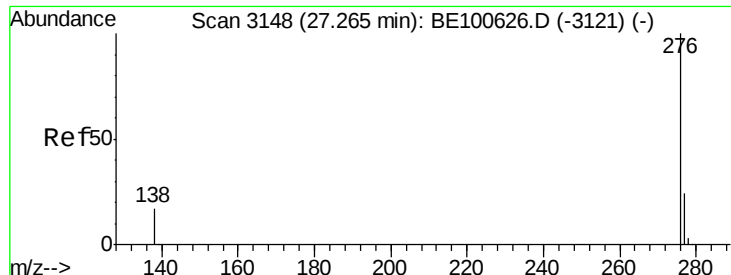


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.415 ng

RT: 27.23 min Scan# 3139

Delta R.T. 0.00 min

Lab File: BE100664.D

Acq: 23 Oct 2019 16:38

Instrument :

BNA_E

ClientSampleId :

PB124100BSD

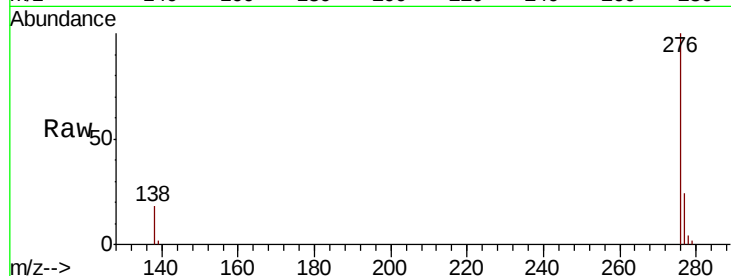
Tot Ion: 276 Resp: 34059

Ion Ratio Lower Upper

276 100

277 24.0 19.4 29.0

138 17.7 13.6 20.4



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

